Overview of Transportation Planning Process

Prepared for

Northgate Stakeholders Group

April 20, 2004

Introduction

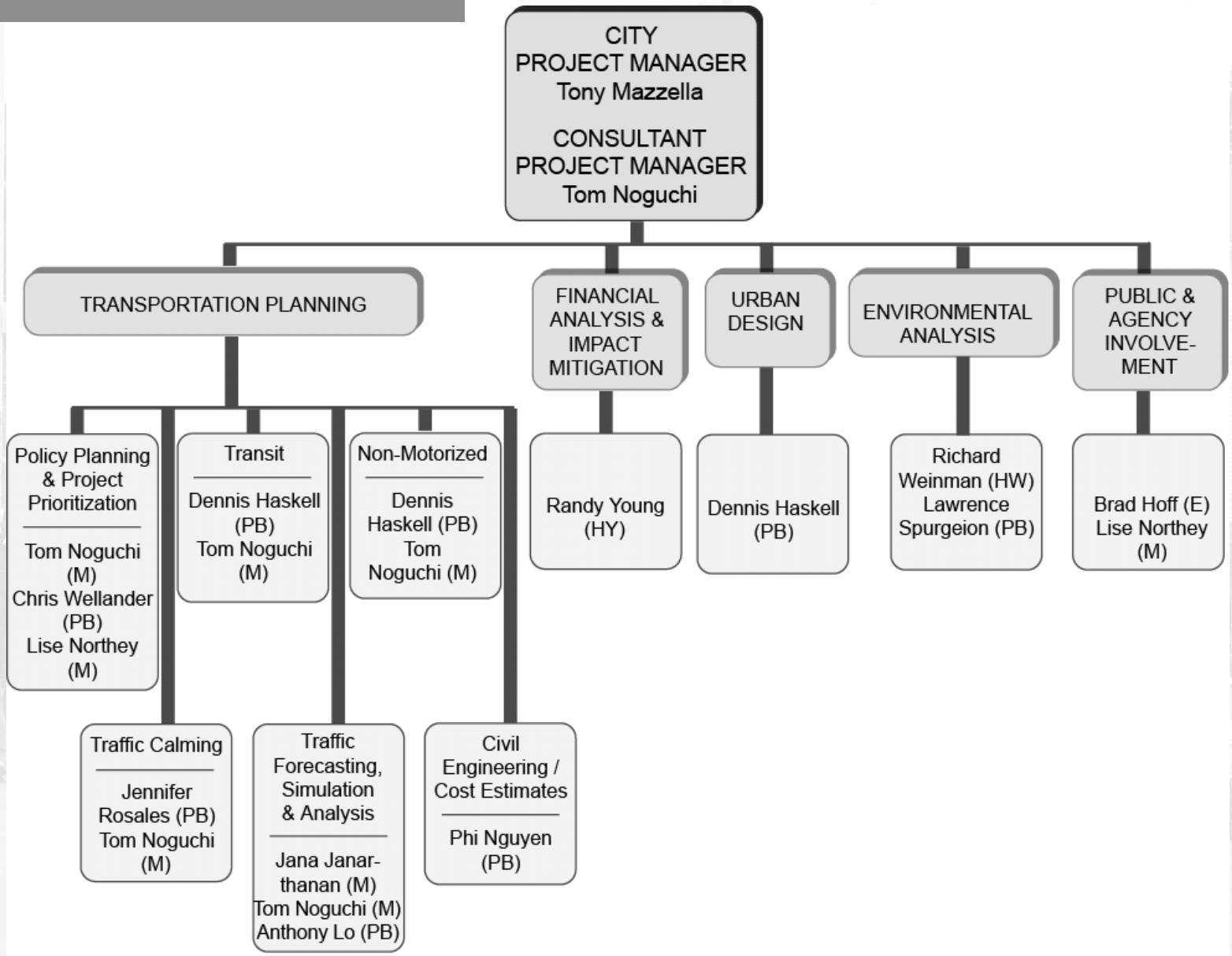
Agenda

- Introduction
- Transportation planning process
- Questions and answers
- Input to developing guiding principles

Project Management

- Tony Mazzella, SDOT project manager
  - Direct consultant team's work
  - Coordinate with Stakeholders and other groups
  - Coordinate SDOT's involvement
- Tom Noguchi, consultant team project manager
  - Seek information from public
  - Analyze current and future conditions
  - Identify transportation problems
  - Formulate preliminary recommendations

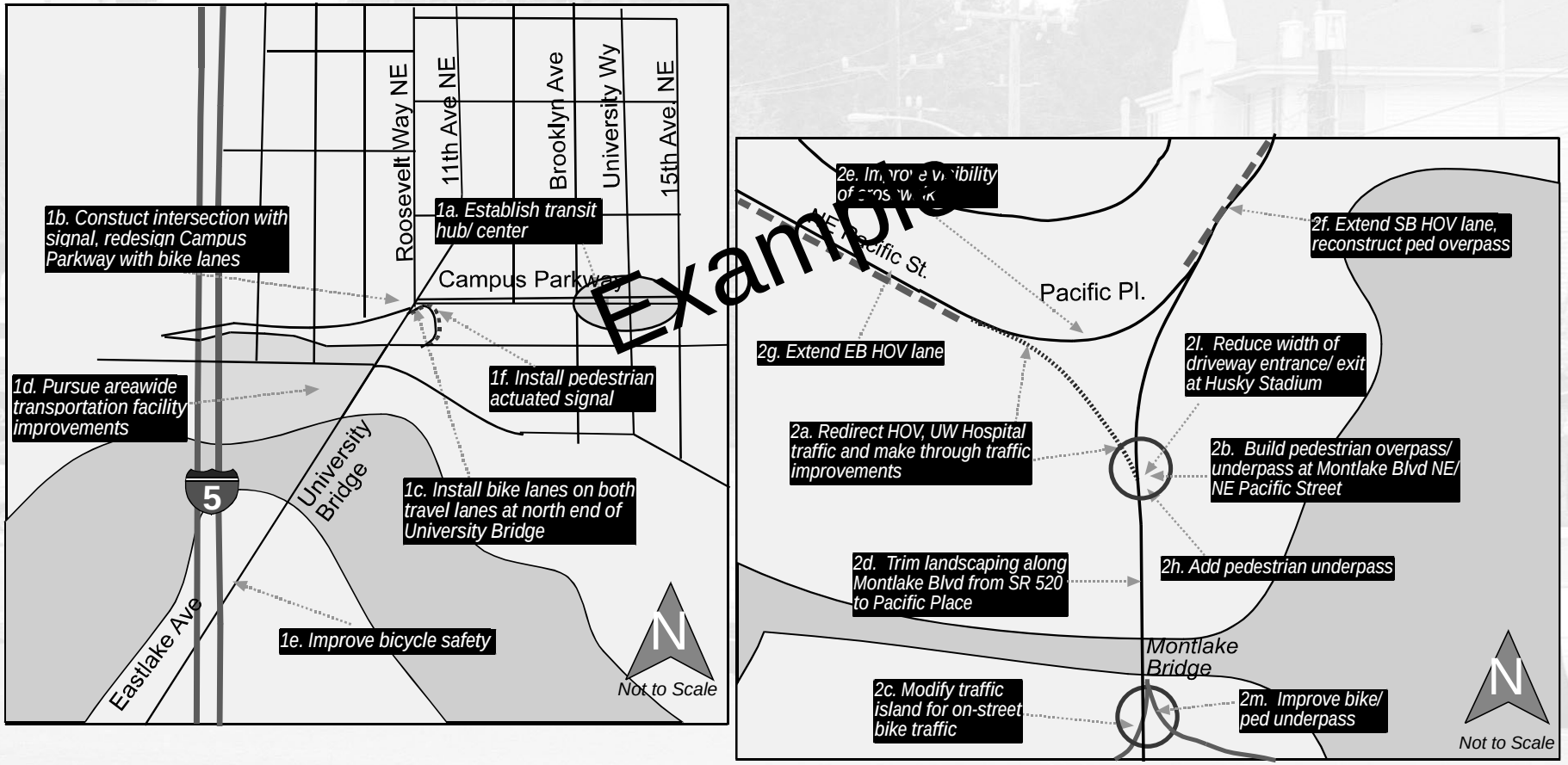
The Mirai Team



What is a Transportation Plan?

- Area-wide comprehensive transportation plan includes:
  - Policies
    - Safety, congestion management, mitigation, funding
  - Programs
    - Transportation demand management program, traffic impact mitigation program
  - Capital projects
    - Improvement projects (sidewalks/ re-striping to interchange improvements
    - Priorities (high to low)
    - Costs

Example of a CTIP



Example of a CTIP

“Early Action” Priority

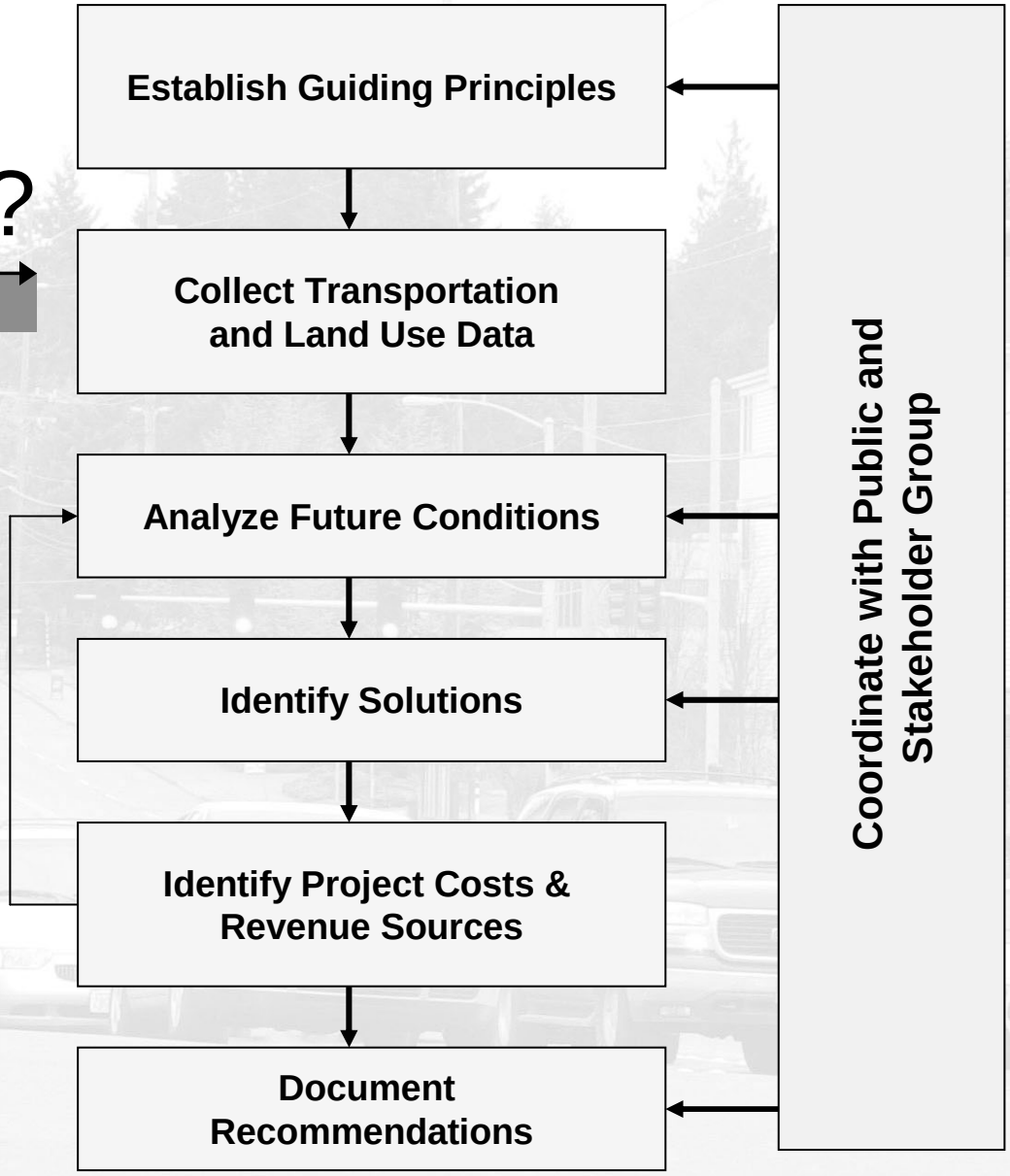
Eastlake Avenue E/Campus Parkway/NE 40th Street Corridors

- 1-c Install bike lanes on north and south-bound travel lanes on the north end of the University Bridge.
- 1-e Install ramp for bicyclists to access push button at Eastlake Avenue E/Harvard Avenue E crosswalk.
- 1-h Restrict unregulated parking in the areas around Northlake Way and southwest of UW campus.

Montlake Boulevard NE/NE Pacific Street Corridors

- 2-c Modify traffic island at Montlake Boulevard/NE Shelby Street for on-street bike traffic.
- 2-d Trim landscaping along Montlake Boulevard from SR 520 to Pacific Place NE.

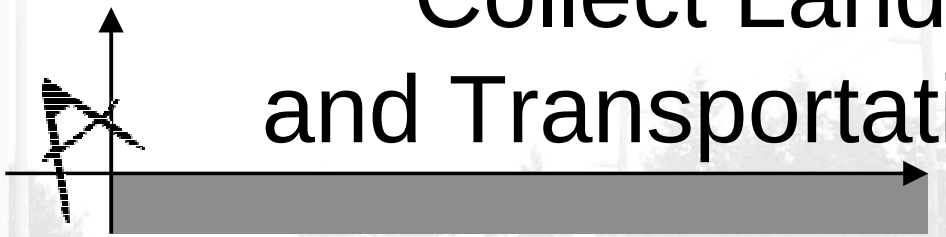
What Steps Are Needed?



Guiding Principles

- Establish goals and purposes of CTIP
  - Reaffirm Existing Vision
  - Moving People and Vehicles
- Set general direction
  - Identify study area
  - Set planning horizon
  - Level of traffic congestion
  - Emphasis on use of transit, pedestrian and bike modes
  - Amount of traffic in neighborhoods
  - Types of solutions
  - Financing assumptions

Collect Land Use and Transportation Data



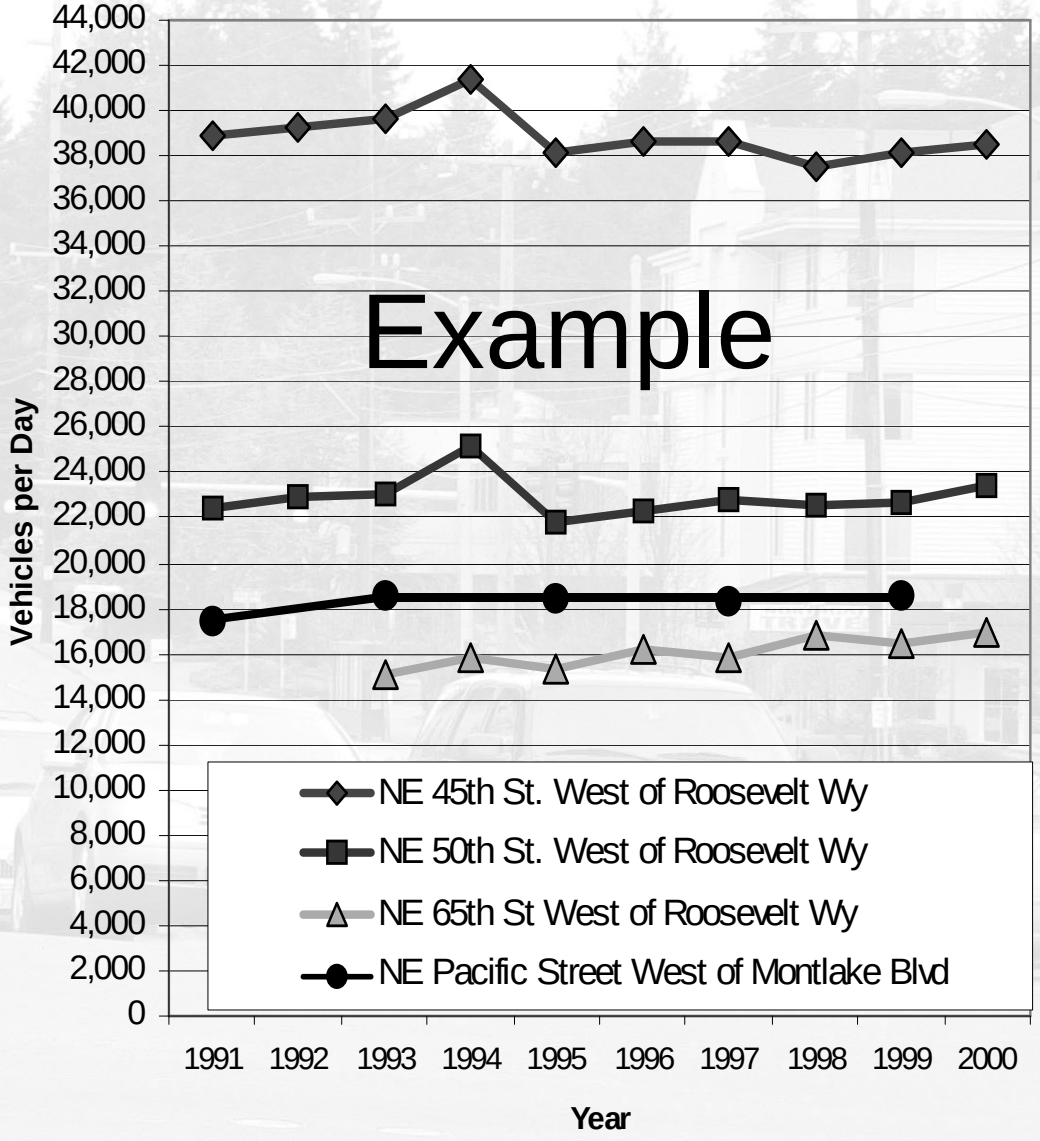
- Transportation needs are directly tied to land use changes
  - Land use data:
    - Housing units (multi-family/single family), employment (retail, office, service and others)
    - Pipeline projects (ex. Mall expansion or Lorig development)
  - Transportation data:
    - Traffic volumes, pedestrians and bike counts, accidents, signal operations, traffic lanes, sidewalk and bike lane locations.

Analyze Future Conditions

- Forecast 10 to 30 year travel demand for vehicles, transit riders, bikes and pedestrians
  - Vehicles: trend analysis and a simulation model
  - Transit: trend analysis and a simulation model
  - Pedestrian and bike: scenario development
- Identify problems

Analyze Future Conditions

- Trend analysis

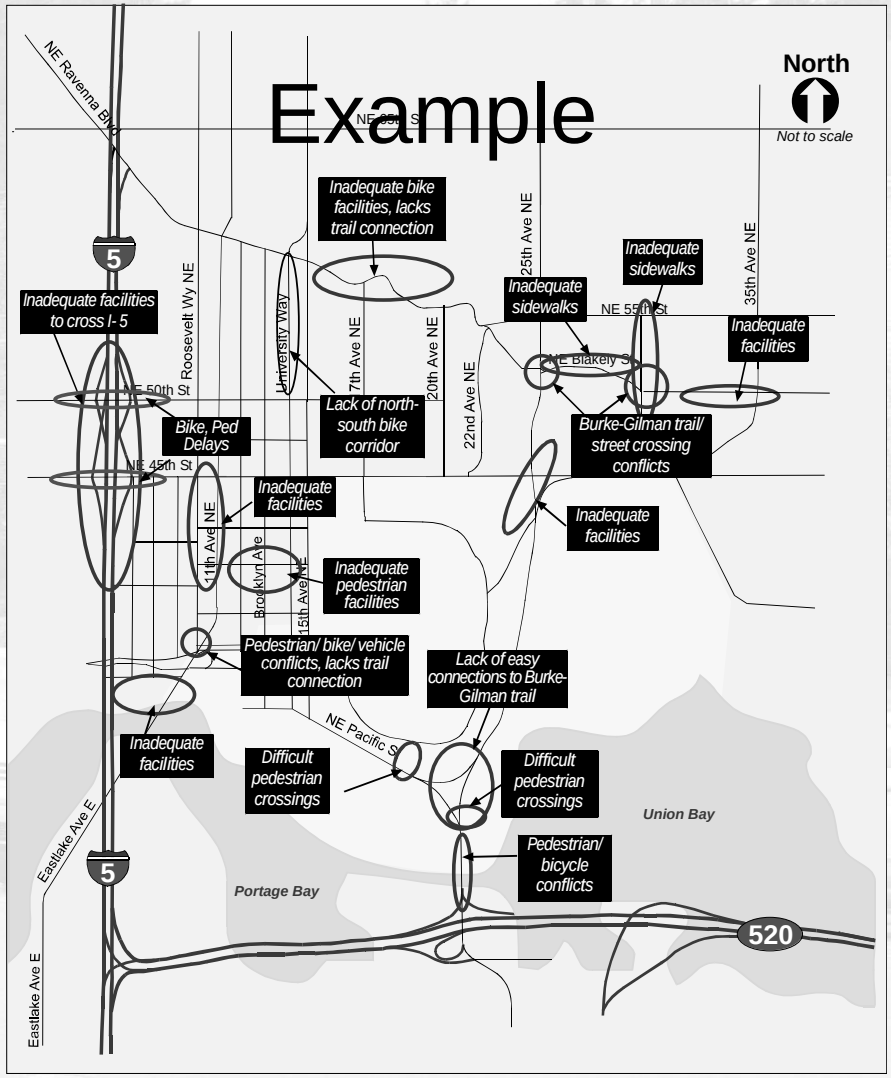


Analyze Future Conditions

- Forecasting with a model

Identify Problems

- Need to set standards
- Important to reach a common understanding
- Create categories
  - Solutions will be organized



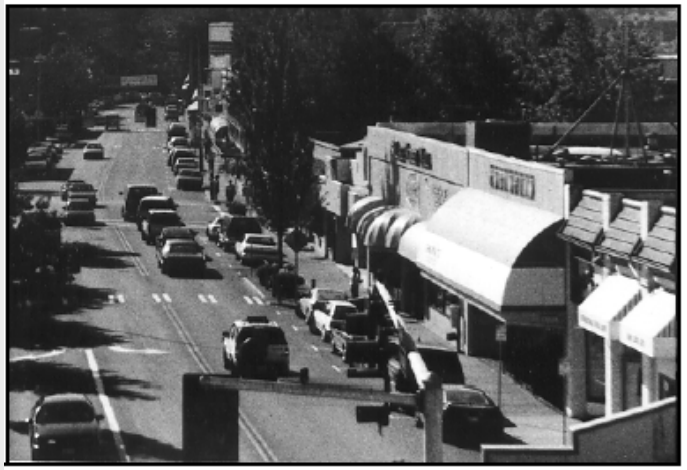
Involve Diverse Stakeholders

- Public Involvement Plan
  - Stakeholders
  - Targeted Outreach

- Agency Involvement
  - City Departments
  - Transit Agencies
  - State

Identify Solutions

- Listen to people
- Test unconventional ideas
- Borrow ideas generated elsewhere
  - South Lake Union
  - Univ. Area Trans. Study



Downtown Kirkland

Evaluate Potential Solutions

Projects/Strategies		Enhance Mobility	Improve Safety	Reduce Congestion	Environmental Impacts	Implementation Feasibility	Preliminary Community Support	Planning Level Cost Estimate (in $000)
1. Eastlake Avenue/Campus Parkway/NE 40th Street Corridors								
1-a	Transit Hub/Center on Campus Parkway	✓+	✓	✓	✓	✓--	✓--	$5,000-$10,000
1-b	Intersection improvements at Eastlake Ave E and Campus Pkwy	✓++	✓+	✓	✓	✓-	✓+	$1,200
1-c	Bike lanes on north and south-bound travel lanes on the north end of the University Bridge	✓++	✓++	✓	✓	✓+	✓++	$10
1-d	Area-wide transportation facility improvements in the Northlake Way area	✓+	✓+	✓	✓	✓-	✓	$2,400
1-e	Ramp for bicyclists to access pedestrian push button at Eastlake Avenue E/Harvard Avenue E crosswalk	✓+	✓++	✓	✓	✓++	✓+	not estimated
1-f	Pedestrian actuated signal on 11th Ave NE at NE 41st Street	✓++	✓++	✓--	✓	✓++	✓+	$150
1-g	Bicycle connection from Lower 40th Street to Eastlake Avenue E	✓+	✓	✓	✓	✓--	✓+	$100
1-h	Parking management in the Northlake Way area	✓+	✓+	✓	✓	✓+	✓	Staff time

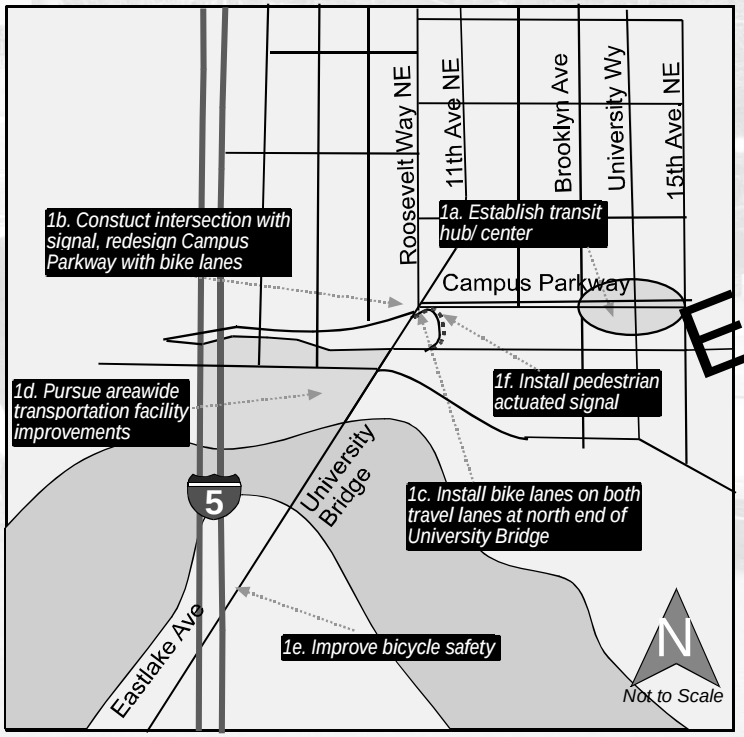
Example

Develop Financial Plan

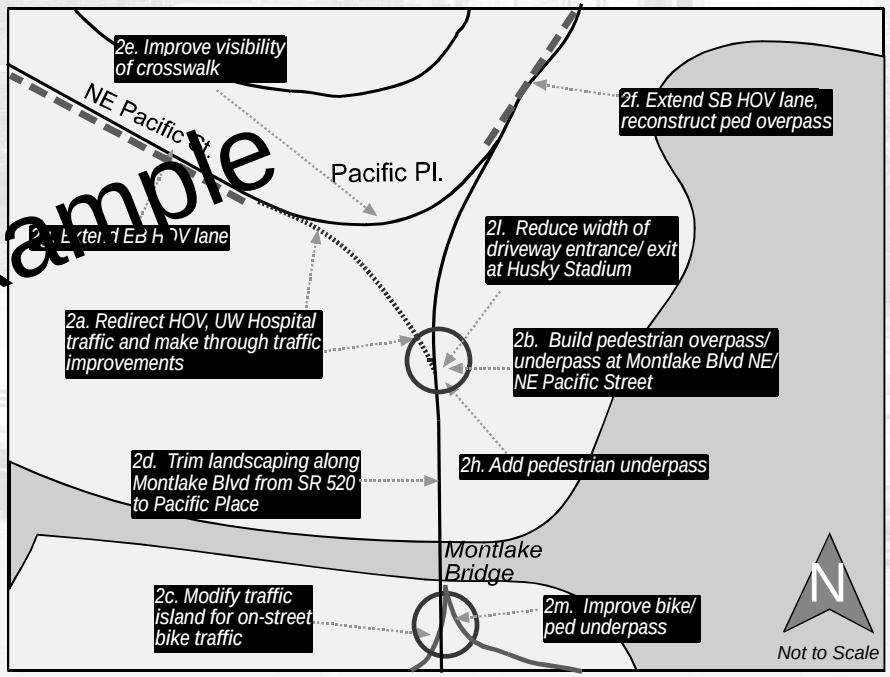
- Planning level cost estimates
- Identify financing options

Recommendations

- Policies, programs, and capital facilities
- Grouped by priorities



Example



Questions and Answers